

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L29/06 G11B20/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B H04L G06F G07F H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	EP 1 047 030 A (SONY CORPORATION) 25 October 2000 (2000-10-25) abstract paragraph '0028! - paragraph '0031! paragraph '0208! - paragraph '0215! paragraph '0234! - paragraph '0245! figures 1,2,38,39	1-10,16, 17,19-21
X	EP 1 014 618 A (SONY CORPORATION) 28 June 2000 (2000-06-28) abstract paragraph '0047! paragraph '0075! - paragraph '0081! figure 5	1-10,16, 17,19-21



Further documents are listed in the continuation of box C



Patent family members are listed in annex.

* Special categories of cited documents

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

8 document member of the same patent family

Date of the actual completion of the international search

31 January 2005

Date of mailing of the international search report

14/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Bertolissi, E

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/012226

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	EP 1 197 965 A (SONY CORPORATION) 17 April 2002 (2002-04-17) abstract paragraph '0179! paragraph '0220! - paragraph '0238! paragraph '0249! - paragraph '0252! paragraph '0273! - paragraph '0275! figures 2-4 -----	11-15, 18
A	US 3 736 368 A (VOGELMAN J,US ET AL) 29 May 1973 (1973-05-29) abstract column 2, line 3 - line 39 -----	1-21
A	EP 0 715 245 A (XEROX CORPORATION; CONTENTGUARD HOLDINGS, INC) 5 June 1996 (1996-06-05) abstract -----	1-21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/012226

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1047030	A	25-10-2000	JP	2000357196 A		26-12-2000
			EP	1047030 A2		25-10-2000
EP 1014618	A	28-06-2000	EP	1014618 A1		28-06-2000
			US	6834346 B1		21-12-2004
			WO	0007329 A1		10-02-2000
			US	2005005148 A1		06-01-2005
EP 1197965	A	17-04-2002	JP	2002118834 A		19-04-2002
			EP	1197965 A2		17-04-2002
			US	2002057799 A1		16-05-2002
US 3736368	A	29-05-1973	CA	957433 A1		05-11-1974
EP 0715245	A	05-06-1996	US	5629980 A		13-05-1997
			DE	69531927 D1		20-11-2003
			DE	69531927 T2		19-05-2004
			EP	1293871 A2		19-03-2003
			EP	1293872 A2		19-03-2003
			EP	1293873 A2		19-03-2003
			EP	1329795 A1		23-07-2003
			EP	1329796 A1		23-07-2003
			EP	1331542 A1		30-07-2003
			EP	1338941 A1		27-08-2003
			EP	1338942 A1		27-08-2003
			EP	0715245 A1		05-06-1996
			JP	8263441 A		11-10-1996
			JP	2004310790 A		04-11-2004
			JP	2004310791 A		04-11-2004